

S_1 MOT Table

\underline{A}	\underline{C}	\underline{D}	\underline{E}	\underline{F}	\underline{G}	\underline{H}	\underline{I}	\underline{K}	\underline{L}	\underline{M}	\underline{N}	\underline{P}	\underline{Q}	\underline{R}	\underline{S}	\underline{T}	\underline{V}	\underline{W}	\underline{Y}
5	1	8	0	6	2	3	33	20	18		16	17	10	44	7	23	12	11	9
36	41	13	15	28	31	4	37	25	46		22	19	26	43	24	29	21	30	
		14		42		40		34			27	27	38		45				
		32						35				38							
												39							

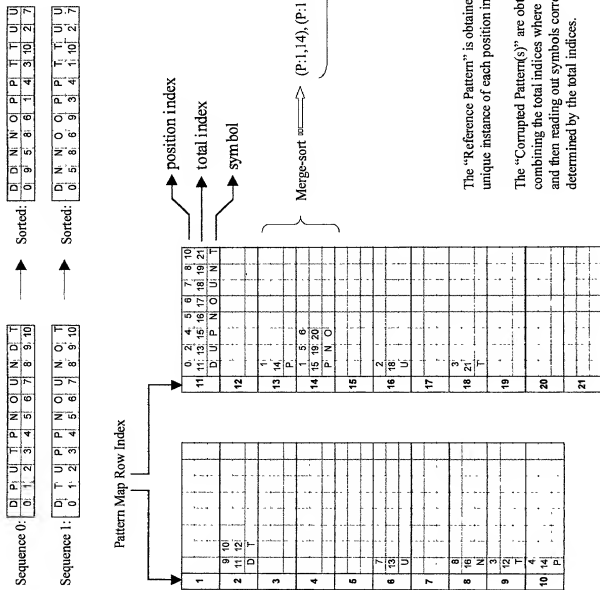
 S_2 MOT Table

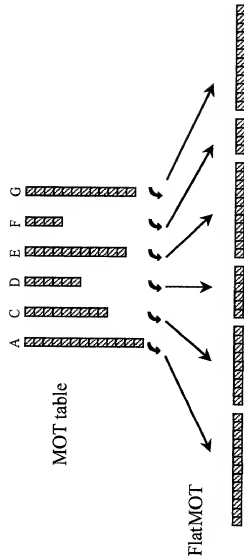
\underline{A}	\underline{C}	\underline{D}	\underline{E}	\underline{F}	\underline{G}	\underline{H}	\underline{I}	\underline{K}	\underline{L}	\underline{M}	\underline{N}	\underline{P}	\underline{Q}	\underline{R}	\underline{S}	\underline{T}	\underline{V}	\underline{W}	\underline{Y}
33	0		1	19	3	28	17	8	6		52	11	20	7	13	26	2	34	38
40	36		39	47	41	42	43	10	23		16	16	44	21	22	4	4	46	45
				49	49	43		14	30		25	25	31	31		5	5	50	48
				53				32				27				9	9		
																12	12		
																15	15		
																18	18		
																24	24		
																29	29		
																35	35		
																37	37		
																51	51		

Figure 1

0:	0	50:	5	12	21	22	23	40
1:	0	51:	1	18	22	30	42	
2:	0	52:	4	7	12	30	42	
3:	0	53:	2	7	12	30	42	
4:	0	54:	2	25	30			
5:	0	55:	2	17	21			
6:	1	56:	0	10	17	31		
7:	1	57:	3	10	17	31		
8:	0	58:	0	12	18	20		
9:	0	59:	3	12	18	20		
10:	1	60:	1	6				
11:	0	61:	1	21				
12:	0	62:	1	7				
13:	0	63:	1	21				
14:	0	64:	1	12				
15:	1	65:	1	31				
16:	0	66:	1	28				
17:	0	67:	0					
18:	0	68:	1	30				
19:	3	69:	2	11	12			
20:	2	70:	1	4	15			
21:	2	71:	2	4	15			
22:	2	72:	3	3	12	19		
23:	1	73:	0					
24:	6	74:	0					
25:	1	75:	1	5				
26:	2	76:	1	9				
27:	2	77:	1	21				
28:	1	78:	0					
29:	1	79:	0					
30:	2	80:	0					
31:	4	81:	1	10	5	11		
32:	3	82:	3	1	5	11		
33:	2	83:	2	9	16			
34:	2	84:	0					
35:	6	85:	1	4				
36:	5	86:	7	0	2	3	4	9
37:	3	87:	1	3				
38:	2	88:	1	6				
39:	1	89:	0					
40:	1	90:	0					
41:	5	91:	0					
42:	1	92:	0					
43:	0	93:	0					
44:	5	94:	1	2				
45:	3	95:	0					
46:	4	96:	0					
47:	2	97:	0					
48:	5	98:	1	2				
49:	1	99:	0					
50:	1	100:	0					

Figure 2



**Figure 4**

Maximum number of don't-cares = 3
Minimum number of symbols = 6

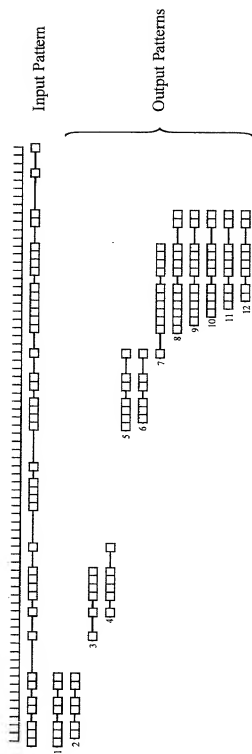


Figure 5

Gap size parameter $g = 3$
 Minimum number of symbols = 6

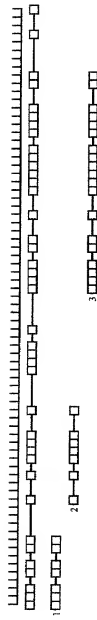
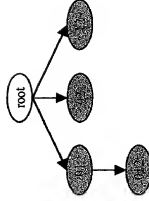


Figure 6



sequences

S_0 : ABCDACCC
 S_1 : BCDADABA
 S_2 : CDCBCDA

1-tuple tables

(0)	(1)	(2)
A 0	A 3	A 7
A 5	A 5	B 4
B 2	B 7	C 0
C 3	B 0	C 2
C 7	C 1	D 3
D 1	D 2	D 6
D 4	D 4	

raw	sorted	sorted
(0,1)	(0,1)	(0,1)
A 0 -3	C 7 -6	C 7 -6
A 0 3	C 6 -5	C 6 -5
A 0 5	C 3 -2	C 3 -2
A 4 -2	B 3 -2	B 3 -2
A 5 0	C 4 2	C 4 2
A 5 2	D 1 -2	D 1 -2
B 2 -2	A 5 2	A 5 2
B 2 4	D 4 0	D 4 0
C 3 2	A 5 0	A 5 0
C 3 3	A 1 1	A 1 1
C 7 6	A 1 2	A 1 2
D 1 1	B 2 4	B 2 4
D 4 5	A 4 0	A 4 0
D 4 7		

raw	sorted	sorted
(0,2)	(0,2)	(0,2)
A 0 7	C 7 -7	C 7 -7
A 5 2	C 6 -6	C 6 -6
A 5 3	C 3 -3	C 3 -3
B 2 2	C 2 -2	C 2 -2
B 2 3	C 3 -1	C 3 -1
B 6 -4	D 6 -1	D 6 -1
C 3 2	D 4 3	D 4 3
C 3 3	C 7 -2	C 7 -2
C 6 -4	C 3 -1	C 3 -1
C 6 -1	D 4 -1	D 4 -1
C 7 2	D 5 1	D 5 1
C 7 3	B 1 2	B 1 2
D 1 0	B 2 2	B 2 2
D 1 2	C 3 2	C 3 2
D 4 3	A 5 2	A 5 2
D 4 4	A 0 1	A 0 1
D 4 5		

raw	sorted	sorted
(1,2)	(1,2)	(1,2)
A 3 4	D 4 -3	C 1 -1
A 5 2	B 6 -2	D 2 -1
A 5 3	C 1 -1	D 4 -1
A 7 0	D 2 -1	D 2 1
B 6 -4	A 7 0	C 2 1
B 6 -9	A 7 0	D 4 2
C 1 -1	C 1 1	A 5 2
C 1 1	C 1 1	B 0 4
C 1 4	D 2 1	B 0 4
D 2 -1	A 5 2	C 1 4
D 2 1	C 1 4	D 2 4
D 4 -3	D 2 4	D 2 4
D 4 2		

unsorted	(0,1)	(0,2)
A 5 0	A 5 0	A 5 0
B 3 -2	B 3 -2	B 3 -2
C 3 -2	C 3 -2	C 3 -2
D 4 -2	D 4 -2	D 4 -2
D 4 3		

unsorted	sorted	sorted
(0,1,2)	(0,1,2)	(0,1,2)
A 5 -2	C 3 -2	C 3 -2
A 5 -2	D 4 -2	D 4 -2
B 3 -2	D 4 -2	B 2 -2
B 3 -2	D 4 -2	B 2 -2
C 3 -2	D 4 -2	C 3 -2
C 3 -2	D 4 -2	C 3 -2
D 4 -2	D 4 -2	D 4 -2
D 4 -2	D 4 -2	D 4 -2
D 4 0 2	A 5 0 2	A 5 0 2
D 4 0 2		

sorted	(0,1,2)
C 3 -2	C 3 -2
C 3 -2	C 3 -2
D 4 -2	D 4 -2
D 4 -2	D 4 -2
D 4 -2	D 4 -2
D 4 -2	D 4 -2
D 4 -2	D 4 -2
D 4 0 2	A 5 0 2
D 4 0 2	

Figure 7

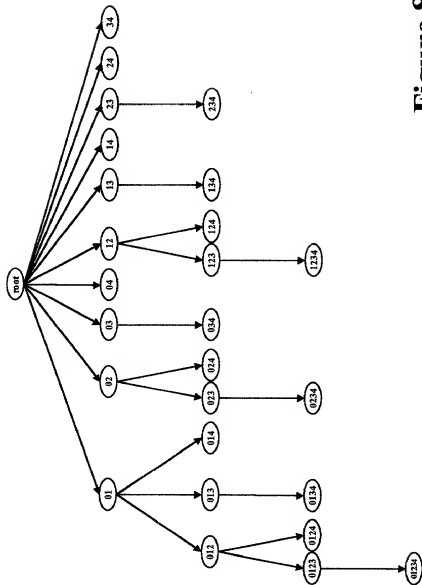


Figure 8

Figure 9

Figure 11

